(19) World Intellectual Property **Organization**

International Bureau



(43) International Publication Date 24 March 2005 (24.03.2005)

PCT

(10) International Publication Number WO 2005/027338 A3

(51) International Patent Classification7:

H03B 29/00

(21) International Application Number:

PCT/IL2004/000863

(22) International Filing Date:

19 September 2004 (19.09.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/503,471

17 September 2003 (17.09.2003)

(71) Applicant (for all designated States except US): SILEN-TIUM LTD. [IL/IL]; 2 Bergman St., Tamar Science Park, 76703 Rehovot (IL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): SLAPAIL, Alon [IL/IL]; Hayasmin 6, 73160 Mazor (IL). MEIMAN, Yehuda [IL/IL]; 64 Mivtza Harel Street, 75443 Rishon Letzion (IL). KONSTANTIN, Gedalin [IL/IL]; Azmaut 37/17, 77452 Ashdod (IL).

EITAN, PEARL, LATZER & CO-(74) Agents: HEN-ZEDEK et al.; 7 Shenkar Street, 46725 Herzlia (IL).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

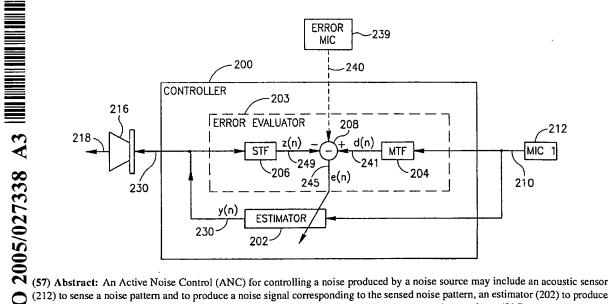
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 6 May 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ACTIVE NOISE CONTROL SYSTEM AND METHOD



(212) to sense a noise pattern and to produce a noise signal corresponding to the sensed noise pattern, an estimator (202) to produce a predicted noise signal by applying an estimation function to the noise signal, and an acoustic transducer (216) to produce a noise destructive pattern based on the predicted noise signal.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL04/00863

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : H03B 29/00 US CL : 381/71.1			
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 381/71.1, 381, 71.2, 71.3, 71.4, 71.8, 71.11, 71.12			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. · DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
X	US 6,084,971 A (MCLEAN) 04 July 2000 (04.07.2000), figure 1, entire specification 1-5, 14, 16-18, 3		1-5, 14, 16-18, 30, 31
Y	US 5,117,401 A (FEINTUCH) 26 May 1992 (26.05.1992), specification		6-9
Y	US 2003/0012980 A1 (VAISHYA) 19 June 2003 (19.06.2003), abstract, figure 1		6-9
Further	documents are listed in the continuation of Box C.	See patent family appey	
"A" document defining the general state of the art which is not considered to be of particular relevance date and not in conflict with the application but cited to understand the principle or theory underlying the invention			on but cited to understand the on
"E" earlier app	plication or patent published on or after the international filing date	"X" document of particular relevance; the cla considered novel or cannot be considered	imed invention cannot be to involve an inventive step
	which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	"Y" document of particular relevance; the cla considered to involve an inventive step w with one or more other such documents,	hen the document is combined
"O" document	referring to an oral disclosure, use, exhibition or other means	obvious to a person skilled in the art	zeru comongranou ocus
	document published prior to the international filing date but later than the "&" document member of the same patent family priority date claimed		nily
Date of the actual completion of the international search Date of mailing of the international search Date of mailing of the international search January 2005 (27.01.2005)			
Name and mailing address of the ISA/US Authorized officer			
Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230 Le Huyen Telephone No. (703) 305-4700			
racsumile No.	(103) 303-3230		l

Form PCT/ISA/210 (second sheet) (January 2004)